

**WEST**

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Aug 28, 1990

DERWENT-ACC-NO: 1990-302732

DERWENT-WEEK: 199930

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TITLE: Sepn. of phospholipid(s) from frill - by dehydrating by vacuum lyophilisation  
extracting total lipid with ethanol and fractionating by adsorption column  
chromatography

PATENT-ASSIGNEE:

ASSIGNEE

TAIYO FISHERY CO LTD

CODE

TAIF

PRIORITY-DATA: 1989JP-0034846 (February 14, 1989)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 02215351 A	August 28, 1990		006	
JP 2909508 B2	June 23, 1999		005	A23J007/00

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP 02215351A	February 14, 1989	1989JP-0034846	
JP 2909508B2	February 14, 1989	1989JP-0034846	
JP 2909508B2		JP 2215351	Previous Publ.

INT-CL (IPC): A23J 7/00; A23L 1/30; A23L 1/33; A61K 31/68; A61K 31/685; A61K 37/22;  
A61K 38/00

ABSTRACTED-PUB-NO: JP 02215351A

BASIC-ABSTRACT:

Live krill is dehydrated by vacuum lyophilisation. Total lipid is extd. with EtOH. Obtd. total lipid is fractionated to phosphatidyl choline and phosphatidyl ethanolamine by using adsorption column chromatography (packed with silica gel; eluted with either ethanol solvent, acetone solvent or hexane solvent). These are isolated by fraction collector.

Cerebral function improving functional food in which at least one kind of phosphatidyl choline or phosphatidyl ethanolamine or their derivs. isolated from krill are mixed with food materials as active components is claimed. Cerebral function improving drug in which at least one kind of phosphatidyl choline or phosphatidyl ethanolamine or their derivs., isolated from krill are contained as active component is also claimed.

USE/ADVANTAGE - Phosphatidyl choline and phosphatidyl ethanolamine can be sepd. from krill and purified in higher 90% purity. No toxic solvent is used. Obtd. two phospholipids are used for prophylaxis and treatment of Alzheimer's disease.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: SEPARATE PHOSPHOLIPID FRILL DEHYDRATE VACUUM LYOPHILISE EXTRACT TOTAL  
LIPID ETHANOL FRACTIONATE ADSORB COLUMN CHROMATOGRAPHY

DERWENT-CLASS: B04 D12 D13

CPI-CODES: B04-B01B; B12-C10; B12-G04A; D03-H01T;

CHEMICAL-CODES:

Chemical Indexing M2 \*01\*

Fragmentation Code

B415 B701 B713 B720 B815 B831 H1 H181 H721 H722  
J0 J012 J2 J272 K0 L7 L722 M210 M211 M225  
M231 M262 M273 M282 M283 M312 M313 M321 M332 M342  
M343 M383 M392 M411 M510 M520 M530 M540 M620 M720  
M903 M904 M910 N161 P448 P625 V0 V771

Specific Compounds

01833P

Registry Numbers

1327U 0502U

Chemical Indexing M2 \*02\*

Fragmentation Code

B415 B701 B713 B720 B815 B831 H1 H100 H181 J0  
J012 J2 J272 M225 M231 M262 M282 M312 M313 M321  
M332 M342 M343 M383 M392 M411 M510 M520 M530 M540  
M620 M720 M903 M904 N161 P448 P625 V0 V771

Specific Compounds

08754P

Registry Numbers

1327U 0502U

UNLINKED-DERWENT-REGISTRY-NUMBERS: 1833P

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1990-130779